

26. (Amended) The method of claim 33, wherein said attaching said position measuring device comprises inserting screws into said aligned mounting holes of said position measuring device and said holes formed in said machine tool.

5 27. (Amended) The method of claim 33, wherein said template is not a linear encoder.

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cont'd  
10 28. (Amended) The method of claim 33, wherein said machine tool does not move along an axis of travel from the time of positioning to said time of attaching said position measuring device.

29. (Amended) The method of claim 33, wherein said template is supported on said machine tool during said positioning.

15 30. (Amended) The method of claim 33, comprising attaching said position measuring device to said reading head bracket prior to said positioning.

31. (Amended) The method of claim 30, comprising:  
positioning said reading head bracket against said machine tool; and

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end

marking mounting holes of said reading head bracket on said machine  
tool.

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33. (Amended) A method of mounting a position measuring device to a  
5 machine tool, comprising:  
positioning a template adjacent to said machine tool, wherein said template  
comprises a plurality of holes that correspond to mounting holes of a position measuring  
device and said template is distinct from said position measuring device;  
forming holes in said machine tool based on positions of said plurality of holes;  
10 aligning said mounting holes of said position measuring device with said holes  
formed in said machine tool;  
attaching said position measuring device to said machine tool; and  
attaching said template to a reading head bracket, which is attached to said  
machine tool, subsequent to said positioning of said template.
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37. (Amended) The method of claim 45, wherein said position measuring  
device comprises a linear encoder.

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cont'd

38. (Amended) The method of claim 45, wherein said attaching of said spar comprises inserting screws into said aligned mounting holes of said position measuring device and said holes formed in said machine tool.

5 39. (Amended) The method of claim 45, wherein said template is not a linear encoder.

10 40. (Amended) The method of claim 45, wherein said machine tool does not move along an axis of travel from the time of positioning to said time of attaching said spar.

41. (Amended) The method of claim 45, wherein said template is supported on said machine tool during said positioning.

15 42. (Amended) The method of claim 45, comprising attaching said position measuring device to said reading head bracket prior to said positioning.

43. (Amended) The method of claim 42, comprising:  
positioning said reading head bracket against said machine tool; and

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end

marking mounting holes of said reading head bracket on said machine

tool.

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45. (Amended) A method of mounting a position measuring device to a

5 machine tool, comprising:

positioning a template adjacent to said machine tool, wherein said template comprises a plurality of holes that correspond to mounting holes of a spar that is to support a position measuring device and said template is distinct from said position measuring device;

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10 forming holes in said machine tool based on positions of said plurality of holes;  
aligning said mounting holes of said spar with said holes formed in said machine tool;

attaching said spar to said machine tool;

attaching said position measuring device to said spar; and

15 attaching said template to a reading head bracket, which is attached to said machine tool, subsequent to said positioning of said template.

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